

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	("6249370").PN.	USPAT; USOCR	OR	OFF	2007/06/28 18:56
L3	0	L2 and pzt	USPAT	OR	OFF	2007/06/28 18:47
L4	1	L2 and zirconate	USPAT	OR	OFF	2007/06/28 18:57
L5	4	((("6249370") or ("6549694") or ("6639722") or ("6002154"))).PN.	USPAT; USOCR	OR	OFF	2007/06/28 18:57
L6	0	L5 and pzt	USPAT	OR	OFF	2007/06/28 18:58
L7	1	L5 and (zirconate with titanate)	USPAT	OR	OFF	2007/06/28 18:58
L8	95199	actuator\$1 and ((height\$1 or position\$1) with (var\$4 or differ\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L9	23180	actuator\$1 same ((height\$1 or position\$1) with (var\$4 or differ\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L10	1	"20050046921"	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L11	1	L10 and (four with direction\$1)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L12	1	L10 and (two)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L13	12	((method or process) with (form\$3 or mak\$3) with (spatial with modulator\$1)).ti.	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L14	1	"20050046921"	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L15	1	L14 and pzt	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L16	98	wavefront adj pattern\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L17	13248	actuator\$1 with ((height\$1 or position\$1) with (var\$4 or differ\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46

## EAST Search History

L18	12	((actuator\$1 or reflect\$3 or mirror\$1) with (height\$1 with different) with pattern\$1) and "359"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L19	602	actuator\$1 with (height\$1 with differ\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L20	176	(actuator\$1 same electrode\$1 same (reflect\$3 or mirror\$1)) and 359/291.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L21	406	actuator\$1 with (height\$1 with different)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L22	1145	diffract\$3 with refract\$3 with mirror\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L23	285	diffract\$4 with quarter with wavelength\$1	USPAT	OR	OFF	2007/06/28 19:46
L24	382	((first with order with diffraction with second) and "359"/\$.ccls.) and mirror\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L25	16673	diffract\$3 with refract\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L26	636	(first with order with diffraction with second) and "359"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L27	2555	(359/290,291,295,571).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46

## EAST Search History

L28	1653	(385/18).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L29	4099	((359/290,291,295,571).CCLS.) or ((385/18).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L30	351	(actuator\$1 same electrode\$1 same (reflect\$3 or mirror\$1)) and (((359/290,291,295,571).CCLS.) or ((385/18).CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L31	1779	(PZT or zirconate) with actuator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L32	351	(actuator\$1 same electrode\$1 same (reflect\$3 or mirror\$1)) and (((359/290,291,295,571).CCLS.) or ((385/18).CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L33	0	(PZT or zirconate) with contract\$3 with expand\$3 with spatial	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L34	0	((PZT or zirconate) with contract\$3 with expand\$3) same spatial	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L35	1	"20050046921"	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L36	0	L35 and (individual\$2 with modulat\$3)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L37	2326	modulator\$1 same (individual\$5 with control\$4)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L38	79	(PZT or zirconate) with actuator with (contract\$3 or expand\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L39	1	("6249370").PN.	USPAT; USOCR	OR	OFF	2007/06/28 19:46

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L40	0	L39 and pzt	USPAT	OR	OFF	2007/06/28 19:46
L41	0	L39 and plzt	USPAT	OR	OFF	2007/06/28 19:46
L42	1181	modulator\$1 with individual\$5 with control\$4	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L43	87	modulator\$1 same (reflect\$3 with curve)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L44	0	modulator and (insulat\$3 with layer\$1 with substrate\$1 with dissipat\$3 with heat\$3 with electrode\$1)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L45	267	(jack with dinh)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L46	0	modulator and (insulat\$3 with layer\$1 with substrate\$1 with dissipat\$3 with heat\$3 with electrode\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L47	55	(insulat\$3 with layer\$1) with substrate\$1 with dissipat\$3 with heat\$3 with electrode\$1	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L48	82	(insulat\$3 with layer\$1 with substrate\$1 with dissipat\$3 with heat\$3 with electrode\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L49	4099	((359/290,291,295,571).CCLS.) or ((385/18).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L50	1	L10 and (four)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L51	0	L10 and (dimension\$2)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L52	0	L10 and (two with dimension\$2 with array\$1)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L53	1	("6,549,694").PN.	USPAT; USOCR	OR	OFF	2007/06/28 19:46
L54	1	L14 and piston\$	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L55	1	L14 and (insulating with layer\$1)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L56	31	((method or process) with (us\$3) with (spatial with modulator\$1)).ti.	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46

## EAST Search History

L57	0	L10 and (two with dimension\$2)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L58	1	L35 and wavefront	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L59	1	L35 and wavefront\$1	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L60	1	L45 and ((one with two with degree\$1).clm.)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L61	1	L35 and (individual\$2)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L62	1	("6856449").PN.	USPAT; USOCR	OR	OFF	2007/06/28 19:46
L63	32	actuator\$1 same ((height\$1 or position\$1) with (var\$4 or differ\$4)) same wavefront\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L64	40	(spatial adj (light\$1 or modulator\$1)) same actuator\$1 same electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L65	7	actuator\$1 with (height\$1 with different) with pattern\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L66	34	(wavefront adj pattern\$1) and actuator\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L67	84	diffract\$3 with refract\$3 with mirror\$1 with wavelength\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L68	21	(diffract\$3 with refract\$3 with mirror\$1 with wavelength\$1) and "359"/\$.cls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L69	48	diffract\$4 with quarter with wavelength\$1 with mirror\$1	USPAT	OR	OFF	2007/06/28 19:46
L70	3	((("5735026") or ("5862002") or ("6059416")).PN.	USPAT; USOCR	OR	OFF	2007/06/28 19:46

## EAST Search History

L71	37	(PZT or zirconate) with actuator with (contract\$3 with expand\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L72	7	((PZT or zirconate) with contract\$3 with expand\$3) same (modulator\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L73	3	L42 and (jack with dinh)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L74	3	L37 and (jack with dinh)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L75	75	modulator\$1 and (benedicto)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L76	68	modulator\$1 and (jack with dinh)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L77	27	modulator\$1 with (reflect\$3 with curve)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L78	28	modulator\$1 with (curve\$1 adj mirror\$1)	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L79	16	(insulating adj layer\$1) with substrate\$1 with dissipat\$3 with heat\$3 with electrode\$1	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L80	31	L47 and @ad<="20030829"	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L81	51	L48 and @ad<="20030829"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L82	31	L48 and @ad<="20030829"	US-PGPUB; USPAT	OR	OFF	2007/06/28 19:46
L83	223	(actuator\$1 or reflect\$3 or mirror\$1) with (height\$1 with different) with pattern\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
L84	111	(359/323).CCLS.	USPAT; USOCR	OR	OFF	2007/06/28 19:46
L85	261	((first with order with diffraction with second) and "359"/\$.ccls.) and mirror\$1	USPAT	OR	OFF	2007/06/28 19:46

## EAST Search History

L86	1178	L49 and @pd>="20050701"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 19:46
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